



Evgeny Kozyrev
Novosibirsk State University (NSU),
Budker Institute of Nuclear Physics (BINP)
e.a.kozyrev@inp.nsk.su

OVERVIEW

Junior researcher (NSU), Senior Assistant (BINP), elementary particle and X-ray physicist.

APPOINTMENTS

Junior researcher

2014-today

NSU, The Laboratory of Strong Interactions in e^+e^- Annihilation and Tau-Lepton Decay Processes

- e^+e^- annihilation into hadron pairs in a broad energy range using radiation transfer method
- Measurement of transition formfactors in two-photon collision for $\gamma^{(*)}\gamma^{(*)} \rightarrow P$ where P is a pseudoscalar meson
- Teaching: mechanics, molecular physics, thermodynamics, electromagnetism

Senior Assistant

2013-today

BINP, CMD-3 experiment

- The measurement of the cross section of processes of electron-positron annihilation into hadrons.
- Applied physics in X-ray diagnostics

EDUCATION

PhD Physics

2015-today

Novosibirsk State University

[“high energy physics, electron-positron annihilation into four pions”](#)

Thesis advisor: E. Solodov (BINP)

BS and Master Physics

Novosibirsk
State Univer-
sity

2009-2015

25. Kozyrev E. A. et al., "Study of the process e^+e^- to K^+K^- in the center-of-mass energy range 1010-1060 MeV with the CMD-3 detector", *Physics Letters B* 779 (2018), WOS:000429098900008.
24. Kozyrev E. A. et al., "Performance and characterization of CsI:Tl thin films for X-ray imaging application", *Physics Procedia* 84, 245-251 (2016), WOS:000392696400040.
23. Lees J. P., ..., Kozyrev E. A., et al., "Study of the process e^+e^- to $\pi^+\pi^-\eta$ using initial state radiation", *PHYSICAL REVIEW D* 97, 052007 (2018), WOS:000427985500002.
22. Akhmetshin R. R., ..., Kozyrev E. A., et al., "Study of the process e^+e^- to $\pi^+\pi^-\pi^0\eta$ in the c.m. energy range 1394-2005 MeV with the CMD-3 detector", *PHYSICS LETTERS B* 773, 150-158 (2017), WOS:000413294200022.
21. Akhmetshin R. R., ..., Kozyrev E. A., et al., "Study of the process e^+e^- to $\pi^+\pi^-\pi^0\eta$ in the c.m. energy range 920-1060 MeV with the CMD-3 detector", *PHYSICS LETTERS B* 768, 345-350 (2017), WOS:000400677700047.
20. Kozyrev E. A. et al., "Study of the process e^+e^- to $K_S^0K_L^0$ in the center-of-mass energy range 1004-1060 MeV with the CMD-3 detector at the VEPP-2000 e^+e^- collider», *Physics Letters B* 760, pp. 314-319 (2016), WOS:000382890500050.
19. Akhmetshin R. R., ..., Kozyrev E. A., et al., "Study of the process e^+e^- to $p\bar{p}$ in the c.m. energy range from threshold to 2 GeV with the CMD-3 detector", *PHYSICS LETTERS B* 759, 634-640, (2016), WOS:000380409200083.
18. Shemyakin D. N., ..., Kozyrev E. A., et al., "Measurement of the e^+e^- to $K^+K^-\pi^+\pi^-$ cross section with the CMD-3 detector at the VEPP-2000 collider", *PHYSICS LETTERS B* 756, 153-160, (2016), WOS:000373569200022.
17. Akhmetshin R. R., ..., Kozyrev E. A., et al., "Search for the process e^+e^- to $\eta'(958)$ with the CMD-3 detector", *PHYSICS LETTERS B* 740, 273-277 (2015), WOS:000347046200033.
16. Fedotov G. V., ..., Kozyrev E. A., et al., "Cross sections of hadronic reactions e^+e^- to $K^+K^-\pi^+\pi^-$ ($n=1,2,3$) measured with the CMD3 detector at the VEPP-2000 electron-positron collider", *PHYSICS OF PARTICLES AND NUCLEI* 48, 763-768 (2017), WOS:000409298800015.
15. Kovalenko O. A., ..., Kozyrev E. A., et al., "Measurement of the e^+e^- to $\pi^+\pi^-\pi^0$ cross section with the CMD-3 detector", *PHYSICS OF PARTICLES AND NUCLEI* 48, 773-775 (2017), WOS:000409298800017.
14. Akhmetshin R. R., ..., Kozyrev E. A., et al., "Z-chamber of the CMD-3 detector in the reconstruction of the track longitudinal coordinate", *JOURNAL OF INSTRUMENTATION* 12, C07044 (2017), WOS:000406812300006.
13. Ryzhenkov A. E., ..., Kozyrev E. A., et al., "Current status of luminosity measurement with the CMD-3 detector", *JOURNAL OF INSTRUMENTATION* 12, C07040 (2017), WOS:000406812300002.
12. Solodov E. P., ..., Kozyrev E. A., et al., "Hadron reactions study with the CMD-3 detector in e^+e^- collisions", *MODERN PHYSICS LETTERS A* 31, 1630038 (2016), WOS:000386048600001.

11. Dimova T. V., ..., Kozyrev E. A., et al., "Recent results on $e(+)e(-)$ to hadrons cross sections from SND and CMD-3 detectors at VEPP-2000 collider", NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS 273, 1991-1996 (2016), WOS:000390295200320.
10. Ivanov V. L., ..., Kozyrev E. A., et al., "Preliminary results of the cross-section measurement of $e(+)e(-)$ to $\phi(1020)\eta$ process with the CMD-3 detector at VEPP-2000 collider", PHYSICS OF ATOMIC NUCLEI 79, 251-259 (2016), WOS:000376304700014.
9. Fedotov G. V., ..., Kozyrev E. A., et al., "Overview of the CMD-3 recent results at $e(+)e(-)$ collider VEPP-2000", EPJ Web of Conferences 130 (2016), WOS:000392336700014.
8. Shemyakin D. N., ..., Kozyrev E. A., et al., "Cross Section Measurement of the Process $e(+)e(-)$ to $K^+K^- \pi^+ \pi^-$ at the VEPP 2000 Collider with the CMD-3 Detector", AIP Conference Proceedings 1735, 030006 (2016), WOS:000380815900021.
7. Solodov E. P., ..., Kozyrev E. A., et al., "Recent Results from CMD-3 Detector at VEPP-2000 $e(+)e(-)$ Collider", AIP Conference Proceedings 1735, 020005 (2016), WOS:000380815900005.
6. Fedotov G. V., ..., Kozyrev E. A., et al., "Preliminary Results of Measurements of Hadronic Cross Sections with the CMD-3 Detector at the VEPP-2000 Electron-Positron Collider", PHYSICS OF ATOMIC NUCLEI 78, 591-602 (2015), WOS:000360072700008.
5. Lukin P. A., ..., Kozyrev E. A., et al., "Investigation of the processes $e(+)e(-)$ to $2(\pi^+\pi^-\pi(0))$ and $e(+)e(-)$ to $3(\pi^+\pi^-\pi(-))$ with the aid of the CMD-3 detector", PHYSICS OF ATOMIC NUCLEI 78, 353-357 (2015), WOS:000355224600002.
4. Kozyrev E. A. et al., "Investigation of the process $e(+)e(-)$ to $K(+)K(-)$ with the aid of the CMD-3 detector at the VEPP-2000 electron-positron collider", PHYSICS OF ATOMIC NUCLEI 78, 358-362 (2015), WOS:000355224600003.
3. Logashenko I. B., ..., Kozyrev E. A., et al., "Measurement of the hadronic cross sections at Novosibirsk", EPJ Web of Conferences 96, 01022 (2015), WOS:000358445500022.
2. Akhmetshin R. R., ..., Kozyrev E. A., et al., "Current status of luminosity measurement with the CMD-3 detector at the VEPP-2000 $e(+)e(-)$ collider", JOURNAL OF INSTRUMENTATION 9, C09003 (2014), WOS:000343281300003.
1. Logashenko I. B., ..., Kozyrev E. A., et al., "Measurement of $e(+)e(-)$ to $\pi^+\pi^-$ cross section at CMD-3", EPJ Web of Conferences 72, 00013 (2014), WOS:000342375100012.